



100 GROVE ST. | WORCESTER, MA 01605

November 10, 2020

Grafton Zoning Board of Appeals
Grafton Municipal Center
30 Providence Road
Grafton, MA 01519

RECEIVED

NOV 12 2020

Zoning Board of Appeals

T 508-856-032

F 508-856-0357

gsonzineering.com

2020 NOV 12 AM 9:23

**Subject: Fisherville Terrace
Review of Proposed Amendment to Comprehensive Permit
Traffic Impact and Access Study**

Dear Board Members:

We received the following document via email on October 16, 2020:

- Document entitled Traffic Impact and Access Study, Proposed Fisherville Terrace 40B Development dated October 2020, prepared by MDM Transportation Consultants, Inc. for Fisherville Terrace, LLC.

Graves Engineering, Inc. (GEI) has been requested to review and comment on the document's consistency with standard engineering practices in a general manner, and to advise the Zoning Board of Appeals if further peer review by a traffic consultant is recommended.

During this review, we also referred to the following documents associated with this project:

- Document entitled Technical Memorandum, Traffic Impact Assessment, Fisherville Terrace Residential Development, Grafton, Massachusetts dated December 16, 2008, prepared by Abend Associates.
- Correspondence from MDM Transportation Consultants, Inc. to Fisherville Terrace, LLC dated February 12, 2020 re: Supplemental Traffic Evaluation.

Our comments follow:

1. GEI reviewed the items analyzed (e.g. baseline traffic volumes, speed measurements, sight distances, etc.) and found that the items analyzed followed standard practices. We also reviewed the technical information associated with these items and compared the data with the data in the earlier above-cited traffic documents. The 2020 Traffic Impact and Access Study appears to be in order, and GEI does not see any reason to recommend further peer review by a traffic consultant.
2. Page 3 of the 2020 Traffic Impact and Access Study contained recommendations, which should be incorporated into the construction phase of the project.
3. Based upon discussion during the October 22, 2020 public hearing, GEI understands that the sight line triangles are to be added onto a plan for a driver queued at the project driveway's intersection with Main Street.

We trust this letter addresses your review requirements. Feel free to contact this office if you have any questions or comments.

Very truly yours,

Graves Engineering, Inc.

A handwritten signature in black ink, appearing to read 'Jeffrey M. Walsh', written over the company name.

Jeffrey M. Walsh, P.E.

Principal

cc: Stephen O'Connell; Turning Point Engineering



GRAFTON
Massachusetts

Katrina Koshivos <koshivosk@grafton-ma.gov>

FW: Fisherville Terrace Traffic Review Letter

1 message

Jeffrey Walsh <JWalsh@gravesengineering.com> Wed, Nov 11, 2020 at 1:35 PM
To: Katrina Koshivos <koshivosk@grafton-ma.gov>
Cc: Stephen O'Connell <soconnell@tpecivildesign.com>

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Zoning Board of Appeals

Good afternoon Katrina,

I received the email below and the attached sight distance analysis plan from Steve O'Connell this morning. I reviewed the plan and checked it against information in our files. I have no issue with the sight distance analysis plan nor with the availability of sight distance at the intersection of the Fisherville Terrace driveway and Main Street.

While going through our files, I came across the two attached photographs taken in March 2010. The photos were taken from where a driver's eye would be if a vehicle were queued at the project exit. Please note that in the "019" photo (looking right while exiting the project), the driver's eye would be aligned with the street-side of the sidewalk, the same location shown on the plan.

Respectfully,

Jeff

JEFFREY M. WALSH, P.E.

Principal

2020 NOV 12 AM 9:22

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GRAVES ENGINEERING, INC.

100 GROVE ST | WORCESTER, MA 01605

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www.gravesengineering.com

From: Stephen O'Connell <soconnell@tpecivildesign.com>
Sent: Wednesday, November 11, 2020 10:07 AM
To: Jeffrey Walsh <JWalsh@gravesengineering.com>; Katrina Koshivos <koshivosk@graffton-ma.gov>
Subject: RE: Fisherville Terrace Traffic Review Letter

Jeff,

Thanks for sending. I don't know if you received the attached ISD Analysis Plan from Katrina, so I'm sending it directly to you.

Stephen O'Connell



P.O. Box 969

Milford, MA 01757

office: (508) 381-1515

mobile: (617) 312-1678

fax: (508) 647-0189

soconnell@tpecivildesign.com

From: Jeffrey Walsh <JWalsh@gravesengineering.com>
Sent: Tuesday, November 10, 2020 3:30 PM
To: Katrina Koshivos <koshivosk@graffon-ma.gov>
Cc: Stephen O'Connell <soconnell@tpecivildesign.com>
Subject: Fisherville Terrace Traffic Review Letter

Hi Katrina,

As discussed during the ZBA's October 22, 2020 Fisherville Terrace public hearing, attached is my traffic review letter.

I have a conflict with the ZBA's meeting this Thursday (11/12) and won't be able to participate in the virtual public hearing unless absolutely necessary, in which case I'll see if I can figure a way to participate at least for a limited period of time. Sorry to you and the Board for the inconvenience.

Thanks,

Jeff

JEFFREY M. WALSH, P.E.

Principal

GRAVES ENGINEERING, INC.

100 GROVE ST | WORCESTER, MA 01605

T 508-856-0321 ext 109 | F 508-856-0357

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3 attachments



2010-03-11 019.jpg
388K



2010-03-11 020.jpg
412K



ISD Analysis Plan (Exhibit 1).pdf
250K

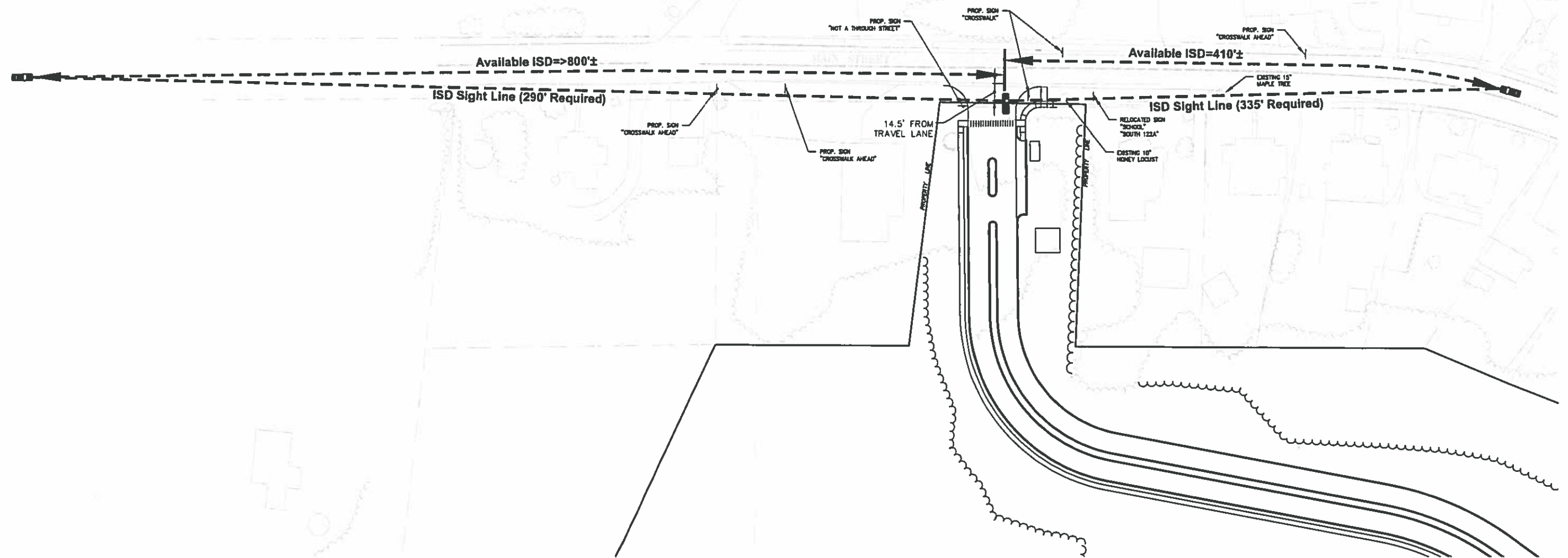






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NOV 09 2020
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2020 NOV -9 PM 12:50



Site Plan Source: Turning Point Engineering

MDM TRANSPORTATION CONSULTANTS, INC.
Planners & Engineers
28 Lord Road, Suite 280
Marlborough, MA 01752

Fisherville Terrace
Grafton, Massachusetts

SCALE
0 20 40 80 120 FEET

Exhibit 1
Intersection Sight Distance Analysis

Scale: As Noted
DWG No. 527 Sight Distance.dwg

Date: October 2020
Project No. 527